

About - Pi Correlation

Sunday, July 18, 2010
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This is a geometric correlation for the Value of Pi that I discovered a few years ago. With the assistance of Rodolfo Padilla Avalos XE2DDR, we are able to document the geometric correlation for the value of Pi in a right triangle and, as well, associating the area of the triangle with the area of a circle...

This is an interesting correlation and shows that there is an interesting geometric relation for the value of Pi in Euclidean Geometry.

Note, that as far as we have tested, we have not been able to prove this relation wrong, and should prove accurate for whatever values are used for calculation.

Rodolfo Padilla Avalos is the author of 'Physics with Transforms' and 'Fisica con Transformadas - Tratado Analitico de la Conduccion'... You can find more information about Physics with Transforms on <http://www.archive.org> and doing a search.

I and Rodolfo are licensed Radio Amateurs, or also known as Radio Hams... Rodolfo is XE2DDR and is licensed in Mexico and I am KE5FYD and licensed in the United States. For more information about Amateur Radio, try doing a search on Wikipedia.org.

Just a note... Rodolfo is my relative, a member of my family... I am related to him on my mother's side of family. He introduced me to many aspects of science, technology and that of radio and electronics at an early age.

Rodolfo is a graduate of Cleveland Institute of Electronics.

On the next page you can see a photo of me Jariell KE5FYD and Rodolfo XE2DDR.

Pi Correlation Observation - by Jariell KE5FYD & Rodolfo XE2DDR

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By Jariell Alexis Perlman KE5FYD & Rodolfo Padilla Avalos XE2DDR radio hams.

Jariell's observation:

A triangle that has the same area of a given circle, it's formula is:

$$\frac{p \ r}{2} = A$$

where p is for perimeter,
r for radio,
A for aare af circle.

As You see this formula has the form of a formula for the triangle: where p is for height r is for base and A is for area of triangle.

When You show to me this formula, I cheked for thruth: p the perimeter has a known formula as: $p=2 \pi \ r$ substituting in the formula p for it's equal: $2 \pi \ r$

You get:

$$\frac{2 \pi \ r \ r}{2} = A$$

as You see r times r equals r^2

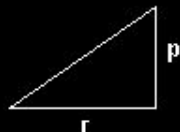
and the numbers 2, up and down are canceled: so

the formula finaly is the formula of the area of the circle:

$$\pi \ r^2$$

This observation is interesting: You can make problems as: draw a circle whose area is equal to the area of this triangle:

To Jerry, from chofo.



Dear Jerry: I found a little errata in typing this page, so I send to You again

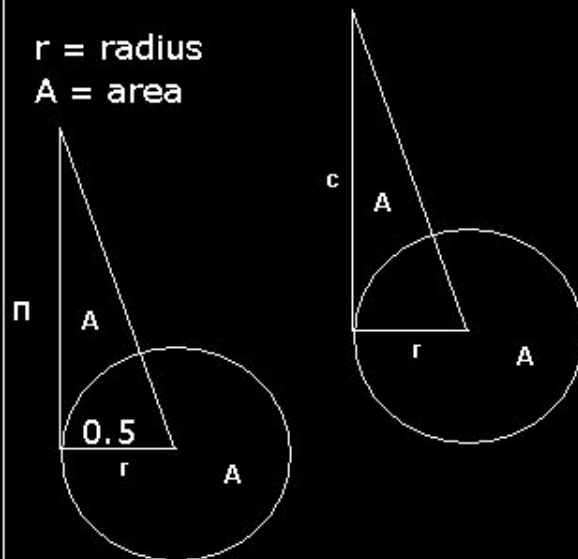
$$p = c$$

P = Perimeter

C = Circumferece

r = radius

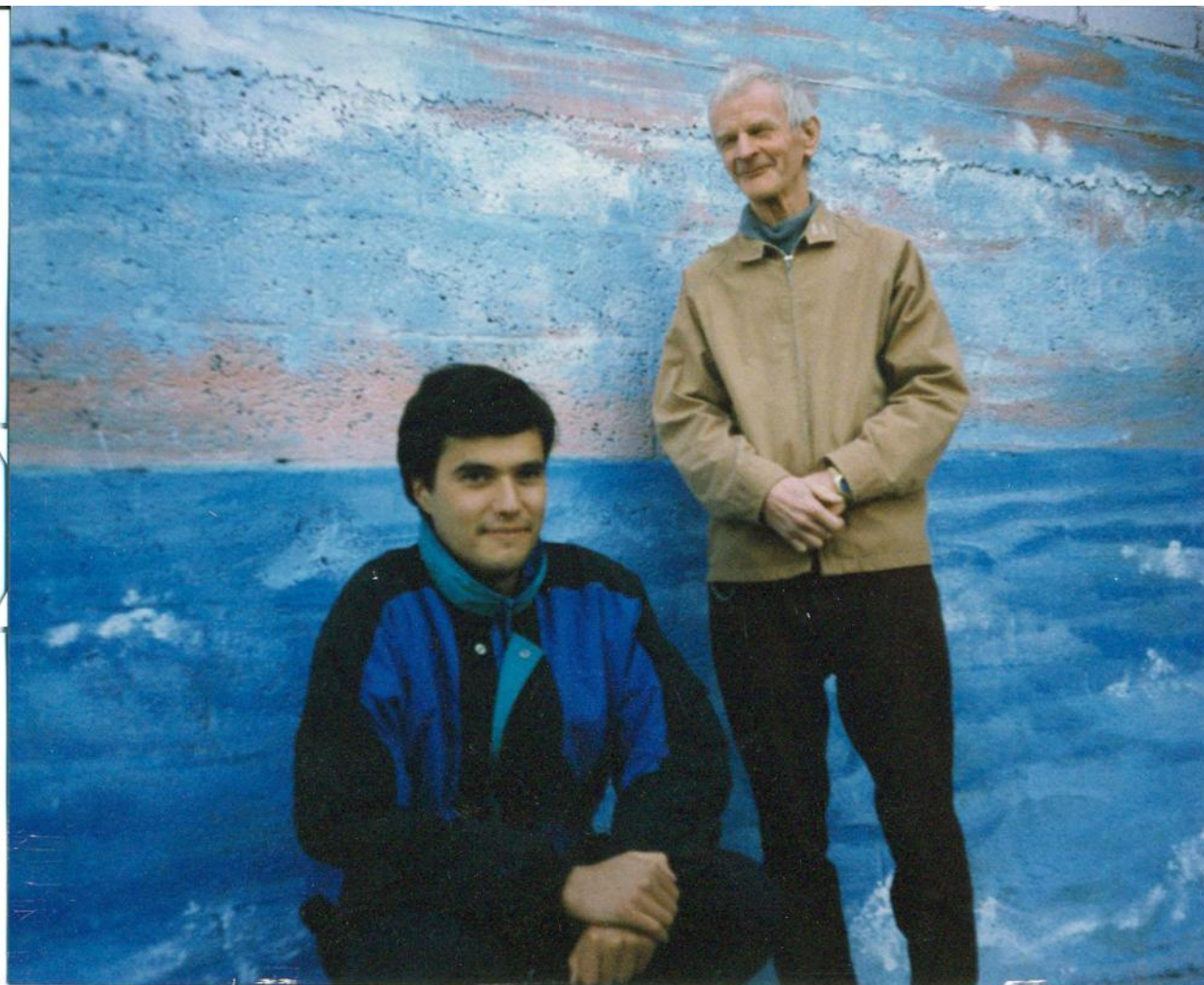
A = area



Jariell A. Perlman KE5FYD & Rodolfo Padilla Avalos XE2DDR (chofo)

Photo of me, Jariell KE5FYD and Rodolfo XE2DDR

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This is a photo of me, Jariell Alexis Perlman KE5FYD on the left, sitting, and Rodolfo Padilla Avalos XE2DDR on the right, standing.

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